



PLANT OPERATOR (SBP)

Purpose:

To actively support and uphold the City's stated mission and values. To perform a variety of skilled technical duties and labor in the operation, maintenance and testing at the City's water reclamation plant membrane or water treatment plant facility. Monitors plant functions, collects samples, perform laboratory testing, and adjust chemicals and equipment.

Positions in this classification may additionally be given the opportunity, or required, to learn and perform duties in other skill/trade areas (i.e. skill blocks) including: mechanical maintenance, electrical work, automated instrumentation and control work, and/or water or wastewater operations (i.e. wastewater plant operators may have an opportunity to obtain the water skill block and vice versa).

Supervision Received and Exercised:

Receives general supervision from a plant team leader or other supervisory staff.

May act as a subject matter expert to assist in training other staff.

Examples of Duties:

This class specification is intended to indicate the basic nature of positions allocated to the class and examples of typical duties that may be assigned. It does not imply that all positions within the class perform all of the duties listed, nor does it necessarily list all possible duties that may be assigned.

Duties may include, but are not limited to, the following:

When assigned to Reclamation:

- Monitor treatment plant functions by reading gauges, trends, meters and control panels, and by performing and evaluating chemical tests; change plant operations to adjust to changing processing needs, adjust pumps, flow valves and chemical systems.
- Make regular rounds of the plant performing a variety of duties pertaining to wastewater treatment and plant maintenance; observe variations in operating conditions and monitor plant functions by interpreting computer information (i.e. SCADA), meters, gauges, trends, control panel readings and test results to determine processing requirements.
- Collect liquid samples and perform a variety of laboratory tests; document results and take appropriate actions; enter data into a computer and compile

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readings and test results into hourly, daily and monthly reports. Complete chain of custody and sample preservation.

- May perform tests to assist in maintaining an on-site wastewater compliance and control laboratory; may calibrate and maintain some laboratory equipment including pH, turbidity, analytical balance, and other lab instruments..
- Perform quality assurance and quality control (QA/QC) on laboratory testing and instruments.
- Operate valves, gates, pumps, motors and generators in controlling treatment processes.
- Calculate flow rates and check membrane system, fine screens, ultraviolet system, odor control system, etc. Calibrate valves and feeder systems.
- Assist in the training other staff in plant operations as needed.
- Coordinate activities with water distribution and wastewater collection personnel, and with Control Center personnel; answer questions and provide information to the public; respond to and resolve complaints.
- May perform a variety of maintenance duties during plant operation; clean and repair membranes, service equipment, wash and clean out basins and channels; paint and repair facility structures.
- Maintain and clean plant facility and grounds; inspect buildings, grounds, pump stations and equipment for conformance to safety standards and security requirements.
- Record and report failures of and problems with equipment and write repair work orders; respond to and inform supervisors and co-workers of present and potential problems and hazards
- Understand Reclamation Plant regulatory requirements.
- Perform related duties as assigned.
- Perform operational duties as assigned on weekends and holidays.

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When assigned to Water Treatment:

- Monitor plant functions by reading gauges, graphs, meters and control panels, and by performing and evaluating chemical tests; change plant operations to adjust to changing processing needs, adjust pumps, flow valves and feeder systems.
- Make hourly rounds of the plant performing a variety of duties pertaining to water and/or wastewater treatment and plant maintenance; observe variations in operating conditions and monitor plant functions by interpreting computer information (i.e. SCADA), meter, gauge, graph, and control panel readings and test results to determine processing requirements.
- Collect liquid samples and perform a variety of laboratory tests; document results and take appropriate actions; enter data into a computer and compile readings and test results into hourly, daily and monthly reports;
- May perform tests to assist in maintaining an on-site wastewater compliance and control laboratory; may calibrate and maintain some laboratory equipment including such things as pH, turbidity, or conductivity meters.
- Operate valves, gates, pumps, motors and generators in controlling treatment processes.
- Calculate flow rates and calibrate valves and feeder systems.
- Assist in the training other staff in plant operations as needed.
- Coordinate activities with water and/or wastewater testing and distribution personnel, and with Control Center personnel.
- Answer questions and provide information to the public; respond to and resolve complaints.
- May perform a variety of maintenance duties during plant shutdown; greased chains, shafts, sprockets, rails, pipes and bearings; wash and clean out basins and channels; paint and repair facility structures.
- Maintain and clean plant facility and grounds; prune shrubs and spray and remove weeds; perform routine repair duties as required.
- Inspect buildings, grounds, well sites, pump stations and equipment for conformance to safety standards and security requirements.
- Record failures of and problems with equipment and write repair work orders.

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- Drain, inspect and clean plant structures.
- Respond to and inform supervisors and co-workers of present and potential problems and hazards.
- Perform related duties as assigned.

Experience and Training Guidelines:

Any combination of experience and training that would likely provide the required knowledge and abilities is qualifying. The hiring department may include job related experience, training or license and certification preferences at the time of recruitment. A typical way to obtain the knowledge and abilities would be:

When assigned Reclamation:

Experience:

One year of field maintenance or plant experience in a utility and one year of responsible experience performing plant operation duties in a wastewater treatment facility.

Training:

Equivalent to completion of the twelfth grade supplemented by specialized training in water/wastewater, chemistry, biology, or a related field.

Licenses/Certifications:

Possession of, or ability to obtain, an appropriate valid Arizona driver's license.

Possession of a Grade III wastewater treatment certificate issued by the State of Arizona.

When assigned Water Treatment:

Experience:

One year of field maintenance or plant experience in a utility and one year of responsible experience performing plant operation duties in a water treatment facility.

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Training:

Equivalent to completion of the twelfth grade supplemented by specialized training in water/wastewater, chemistry, biology, or a related field.

Licenses/Certifications:

Possession of, or ability to obtain, an appropriate valid Arizona driver's license.

Possession of, or ability to obtain, a Grade III water treatment certificate issued by the State of Arizona.

This position is included in the City's classified service, pursuant to City of Tempe Personnel Rules and Regulations, Rule 1, Section 103.

Job Code: 8247

FLSA: Non-Exempt